

COPY

Declaration for Patent Application

Docket Number: 0609.4460002/JAG/HLK

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled An Alpha-2-Macroglobulin Diagnostic Test, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on September 4, 1998 ;
as United States Application Number or PCT International Application Number 09/148,503; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>60/057,655</u>	<u>September 5, 1997</u>
(Application No.)	(Filing Date)
<u>60/093,297</u>	<u>July 17, 1998</u>
(Application No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

Send Correspondence to:

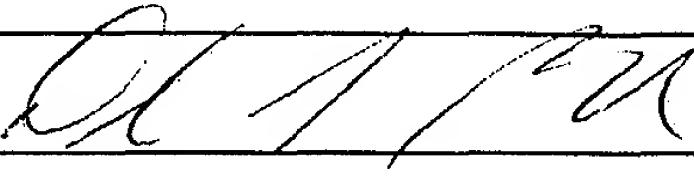
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Rudolph E. TANZI
Signature of sole or first inventor	Date
Residence	Hull, Massachusetts
Citizenship	United States
Post Office Address	3 Ocean View Drive, Hull, Massachusetts 02045
Full name of second inventor	Bradley T. HYMAN
Signature of second inventor	Date
Residence	Swampscott, Massachusetts
Citizenship	United States
Post Office Address	23 Bayview Avenue, Swampscott, Massachusetts 01907
Full name of third inventor	George W. REBECK
Signature of third inventor	Date
Residence	Somerville, Massachusetts
Citizenship	United States
Post Office Address	93 Concord Avenue, Apt. 1, Somerville, Massachusetts 02143

Full name of fourth inventor	Deborah L. BLACKER
Signature of fourth inventor	
	Date 4/27/99
Residence	Newton, Massachusetts
Citizenship	United States
Post Office Address	31 Brookdale Road, Newton, Massachusetts 02460
Full name of fifth inventor	
Signature of fifth inventor	
	Date
Residence	
Citizenship	
Post Office Address	

PAUSERSHKRAUS0609M46V002VPTODeclaration
SKGF Rev. 9/2/98 mac

(Supply similar information and signature for subsequent joint inventors, if any)

COPY

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Docket Number: 0609.4460002/JAG/HLK

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- ☒ was filed on September 4, 1998 ;
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Prior Foreign Application(s)

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

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(Application No.)

September 5, 1997
(Filing Date)

60/093,297
(Application No.)

July 17, 1998
(Filing Date)

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(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

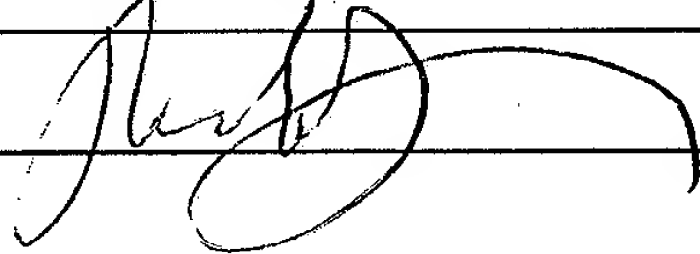
Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Rudolph E. TANZI
Signature of sole or first inventor ✓	 5/24/99 Date
Residence	Hull, Massachusetts
Citizenship	United States
Post Office Address	3 Ocean View Drive, Hull, Massachusetts 02045
Full name of second inventor	Bradley T. HYMAN INVENTOR(S) DELETED ON FILING
Signature of second inventor	
Residence	Swampscott, Massachusetts
Citizenship	United States
Post Office Address	23 Bayview Avenue, Swampscott, Massachusetts 01907
Full name of third inventor	George W. REBECK INVENTOR(S) DELETED ON FILING
Signature of third inventor	
Residence	Somerville, Massachusetts
Citizenship	United States
Post Office Address	93 Concord Avenue, Apt. 1, Somerville, Massachusetts 02143

Full name of fourth inventor	Deborah L. BLACKER
Signature of fourth inventor	Date
Residence	Newton, Massachusetts
Citizenship	United States
Post Office Address	31 Brookdale Road, Newton, Massachusetts 02460
Full name of fifth inventor	
Signature of fifth inventor	Date
Residence	
Citizenship	
Post Office Address	

PAUSERS\HKRAUS\0609\446002\PTO\Declaration
SKGF Rev. 9/2/98 mac

(Supply similar information and signature for subsequent joint inventors, if any)

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Deborah L. Blacker. The undersigned inventor(s) hereby sell(s) and assign(s) to The General Hospital Corporation, 55 Fruit Street, Boston, Massachusetts 02114 (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the inventions known as An Alpha-2-Macroglobulin Diagnostic Test

29021
_____ for which
application(s) for patent in the United States of America has (have) been executed by the
undersigned inventor(s) on April 27, 1999 (also
known as United States Application No. 09/148,503, filed September 4, 1998), in any and all
applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application(s) listed above in
part (a), including continuing applications, reissues, extensions, renewals and reexaminations
of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent
of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application(s) listed above in part (a), and
in any and all forms of intellectual and industrial property protection derivable from such patent
application(s), and that are derivable from any and all continuing applications, reissues,
extensions, renewals and reexaminations of such patent application(s), including, without
limitation, patents, applications, utility models, inventor's certificates, and designs together with
the right to file applications therefor; and including the right to claim the same priority rights
from any previously filed applications under the International Agreement for the Protection of
Industrial Property, or any other international agreement, or the domestic laws of the country
in which any such application is filed, as may be applicable; all such rights, title and interest to
be held and enjoyed by the above-named Assignee, its successors, legal representatives and
assigns to the same extent as all such rights, title and interest would have been held and enjoyed
by the Assignor had this assignment and sale not been made.


The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s)
and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding
application(s) thereof and also to execute separate assignments in connection with such applications as the
Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference
or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation,
divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the
Assignee in every way possible in obtaining evidence and going forward with such interference or patent
enforcement action.

The undersigned inventor(s) hereby represents that he/she has full right to convey the entire interest
herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912;
Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel
L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W.
Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name(s).

Date: 4/27/99 Signature of Inventor: 
Deborah L. BLACKER

項目	単位	数値
1. 総人口	人	1,234,567
2. 男性人口	人	612,345
3. 女性人口	人	622,222
4. 総世帯数	世帯	234,567
5. 男性世帯数	世帯	112,345
6. 女性世帯数	世帯	122,222
7. 総労働人口	人	567,890
8. 男性労働人口	人	283,450
9. 女性労働人口	人	284,440
10. 総所得	円	123,456,789
11. 男性所得	円	61,234,567
12. 女性所得	円	62,222,222
13. 総消費	円	98,765,432
14. 男性消費	円	49,382,716
15. 女性消費	円	49,382,716
16. 総貯蓄	円	24,691,357
17. 男性貯蓄	円	12,345,678
18. 女性貯蓄	円	12,345,679
19. 総投資	円	34,567,890
20. 男性投資	円	17,283,945
21. 女性投資	円	17,283,945
22. 総貯蓄率	%	20.0
23. 男性貯蓄率	%	20.0
24. 女性貯蓄率	%	20.0
25. 総投資率	%	28.4
26. 男性投資率	%	28.4
27. 女性投資率	%	28.4
28. 総消費率	%	80.0
29. 男性消費率	%	80.0
30. 女性消費率	%	80.0
31. 総労働生産	円	123,456,789
32. 男性労働生産	円	61,234,567
33. 女性労働生産	円	62,222,222
34. 総労働生産率	%	100.0
35. 男性労働生産率	%	100.0
36. 女性労働生産率	%	100.0
37. 総労働生産額	円	123,456,789
38. 男性労働生産額	円	61,234,567
39. 女性労働生産額	円	62,222,222
40. 総労働生産額率	%	100.0
41. 男性労働生産額率	%	100.0
42. 女性労働生産額率	%	100.0
43. 総労働生産額	円	123,456,789
44. 男性労働生産額	円	61,234,567
45. 女性労働生産額	円	62,222,222
46. 総労働生産額率	%	100.0
47. 男性労働生産額率	%	100.0
48. 女性労働生産額率	%	100.0
49. 総労働生産額	円	123,456,789
50. 男性労働生産額	円	61,234,567
51. 女性労働生産額	円	62,222,222
52. 総労働生産額率	%	100.0
53. 男性労働生産額率	%	100.0
54. 女性労働生産額率	%	100.0
55. 総労働生産額	円	123,456,789
56. 男性労働生産額	円	61,234,567
57. 女性労働生産額	円	62,222,222
58. 総労働生産額率	%	100.0
59. 男性労働生産額率	%	100.0
60. 女性労働生産額率	%	100.0
61. 総労働生産額	円	123,456,789
62. 男性労働生産額	円	61,234,567
63. 女性労働生産額	円	62,222,222
64. 総労働生産額率	%	100.0
65. 男性労働生産額率	%	100.0
66. 女性労働生産額率	%	100.0
67. 総労働生産額	円	123,456,789
68. 男性労働生産額	円	61,234,567
69. 女性労働生産額	円	62,222,222
70. 総労働生産額率	%	100.0
71. 男性労働生産額率	%	100.0
72. 女性労働生産額率	%	100.0
73. 総労働生産額	円	123,456,789
74. 男性労働生産額	円	61,234,567
75. 女性労働生産額	円	62,222,222
76. 総労働生産額率	%	100.0
77. 男性労働生産額率	%	100.0
78. 女性労働生産額率	%	100.0
79. 総労働生産額	円	123,456,789
80. 男性労働生産額	円	61,234,567
81. 女性労働生産額	円	62,222,222
82. 総労働生産額率	%	100.0
83. 男性労働生産額率	%	100.0
84. 女性労働生産額率	%	100.0
85. 総労働生産額	円	123,456,789
86. 男性労働生産額	円	61,234,567
87. 女性労働生産額	円	62,222,222
88. 総労働生産額率	%	100.0
89. 男性労働生産額率	%	100.0
90. 女性労働生産額率	%	100.0
91. 総労働生産額	円	123,456,789
92. 男性労働生産額	円	61,234,567
93. 女性労働生産額	円	62,222,222
94. 総労働生産額率	%	100.0
95. 男性労働生産額率	%	100.0
96. 女性労働生産額率	%	100.0
97. 総労働生産額	円	123,456,789
98. 男性労働生産額	円	61,234,567
99. 女性労働生産額	円	62,222,222
100. 総労働生産額率	%	100.0
101. 男性労働生産額率	%	100.0
102. 女性労働生産額率	%	100.0
103. 総労働生産額	円	123,456,789
104. 男性労働生産額	円	61,234,567
105. 女性労働生産額	円	62,222,222
106. 総労働生産額率	%	100.0
107. 男性労働生産額率	%	100.0
108. 女性労働生産額率	%	100.0
109. 総労働生産額	円	123,456,789

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In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Rudolph E. TANZI, Bradley T. HYMAN and George W. REBECK, The undersigned inventor(s) hereby sell(s) and assign(s) to The General Hospital Corporation, 55 Fruit Street, Boston, Massachusetts 02114 (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

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☒ and throughout the world,

(a) in the inventions known as An Alpha-2-Macroglobulin Diagnostic Test

_____ for which
application(s) for patent in the United States of America has (have) been executed by the undersigned inventors on _____ (also known as United States Application No. 09/148,503, filed September 4, 1998), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application(s) listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application(s) listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

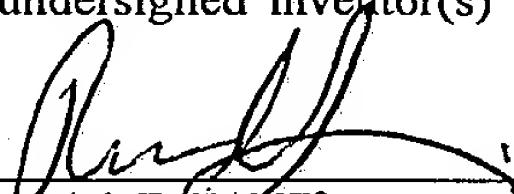

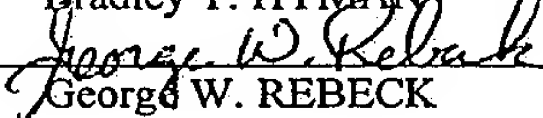
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Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

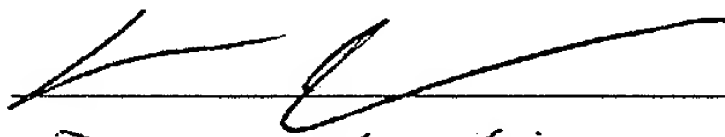
IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date(s) opposite his/her name(s).

Date: 10/15/98 Signature of Inventor: 
Rudolph E. TANZI
Date: 10/16/98 Signature of Inventor: 
Bradley T. HYMAN
Date: 10/16/98 Signature of Inventor: 
George W. REBECK
Date: _____ Signature of Inventor: _____

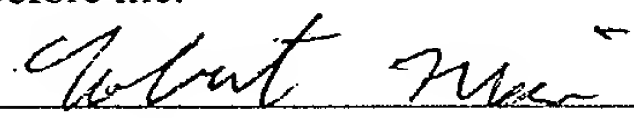

Witnessed before me:

Signature:  Signature: 
Print Name: Robert Moir Print Name: Elena Moir
Address: 8 Whittier Place Address: 8 Whittier Place # 36, Boston
#36, Boston

IN WITNESS WHEREOF, executed on behalf of the said ASSIGNEE, The General Hospital Corporation, on the date below:

By: 
David J. Hays
[Type/Print Name]
Title: _____
Date: 10/26/98

Witnessed before me:

Signature:  Signature: 
Print Name: Robert Moir Print Name: Elena Moir
Address: 8 Whittier Place Address: 8 Whittier Place # 36, Boston
#36, Boston

P:\USERS\HKRAUS\0609\446\002\PTO\Assignment

COPY

POWER OF ATTORNEY FROM ASSIGNEE

The General Hospital Corporation, a corporation of Massachusetts, having a principal place of business at 55 Fruit Street, Boston, Massachusetts 02114, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of Assignments to the Assignee executed on October 15, 1998, October 16, 1998 and April 27, 1999, of an invention known as An Alpha-2-Macroglobulin Diagnostic Test (Attorney Docket No. - 0609.4460002), which is disclosed and claimed in a patent application of the same title by the inventors Rudolph E. Tanzi, Bradley T. Hyman, George W. Rebeck and Deborah L. Blacker (said application filed on September 4, 1998 at the U.S. Patent and Trademark Office, having Application Number 09/148,503).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Michael Q. Lee, Registration No. 35,239; and Steven R. Ludwig, Registration No. 36,203. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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FOR: The General Hospital Corporation

SIGNATURE: 

BY: David J. Glass

TITLE: Associate Director for Patents, Office of Technology Affairs

DATE: June 18, 1999

Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: Tanzi et al.

Application No.: 09/148,503

Filed Date: September 4, 1998

Entitled: An Alpha-2-Macroglobulin Diagnostic Test

The General Hospital Corporation

(Name of Assignee)

, a Corporation of Massachusetts

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9598, Frame 0307, or for which a copy thereof is attached.
☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: Dec 18, 1999

Name: DAVID J. GLASS, Ph.D.

ASSOCIATE DIRECTOR FOR PATENTS
OFFICE OF TECHNOLOGY AFFAIRS

Title:

Signature: [Signature]

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